

Title (en)

A NEW MARKER FOR PREDICTING THE SENSITIVITY TO PI3K INHIBITORS

Title (de)

NEUER MARKER ZUM VORAUSSAGEN DER EMPFINDLICHKEIT GEGEN PI3K-HEMMER

Title (fr)

NOUVEAU MARQUEUR PERMETTANT DE PRÉDIRE LA SENSIBILITÉ À DES INHIBITEURS DE PI3K

Publication

**EP 3713963 A1 20200930 (EN)**

Application

**EP 18807325 A 20181122**

Priority

- EP 17306625 A 20171123
- EP 2018082245 W 20181122

Abstract (en)

[origin: WO2019101871A1] PI3K signalling is the most increased pathway in human cancers. The four isoforms of PI3K are thought to be activated by different redundant mechanisms leading to a common downstream signalling. However, the mutational pattern of PI3K pathway or its level of expression is not sufficient to predict the sensitivity to PI3K inhibitors. By identifying for the first time a phosphopeptide that predict the sensitivity to p110α and/or p110γ inhibitors, the inventors provide insight in how to handle heterogeneity of PI3K expression patterns in tumoral samples for the choice of available PI3K-targeting drugs. Accordingly, the present relates to a phosphopeptide characterized by the amino acid sequence as set forth in SEQ ID NO:1 (PGTPSDHQSQEASQFER) wherein the threonine residue at position 3 is phosphorylated.

IPC 8 full level

**C07K 16/30** (2006.01); **C07K 14/47** (2006.01); **C07K 16/32** (2006.01); **G01N 33/574** (2006.01)

CPC (source: EP US)

**C07K 14/47** (2013.01 - EP); **C07K 14/4748** (2013.01 - EP); **C07K 16/303** (2013.01 - EP US); **C07K 16/32** (2013.01 - EP US); **G01N 33/57438** (2013.01 - US); **A61K 45/06** (2013.01 - US); **C07K 7/08** (2013.01 - US); **G01N 33/57438** (2013.01 - EP)

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